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INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference IM/P/76328.WO/B A	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/GB2004/002898	International filing date (day/month/year) 02/07/2004	(Earliest) Priority Date (day/month/year) 04/07/2003
Applicant INCRO LIMITED		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. 2

☐ as suggested by the applicant.

☒ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

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International application No.

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Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

Nozzle arrangement for generating a spray of fluid comprise a body defining a flow passageway (10), which receives fluid from a supply via an inlet (11 or 12) and is configured to present a plurality of chambers (13, 16, 20) separated by constrictions such as (15, 17). The chambers include expansion chambers such as (13, 20), and the constrictions may be associated with respective convergent and divergent passage sections (14, 19). The inner surfaces of the passageway or chambers, may be provided with small scale structures such as grooves, ribs, pits or protrusions.

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International Application No
PCT/GB2004/002898

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B05B1/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 106 022 A (POOK FRANCIS) 21 April 1992 (1992-04-21) the whole document	1-4, 6-8
P, X	US 2003/150937 A1 (LAIDLER KEITH ET AL) 14 August 2003 (2003-08-14) abstract; figure 6	1, 4-8, 12

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

30 September 2004

Date of mailing of the international search report

08/10/2004

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Information on patent family members

International Application No

PCT/GB2004/002898

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5106022	A	21-04-1992	AT 91438 T	15-07-1993
			AU 3449489 A	03-11-1989
			CA 1321809 C	31-08-1993
			DE 68907595 D1	19-08-1993
			DE 68907595 T2	05-01-1994
			EP 0409886 A1	30-01-1991
			WO 8909654 A1	19-10-1989
US 2003150937	A1	14-08-2003	AU 5495501 A	03-12-2001
			BR 0110545 A	01-04-2003
			CA 2405889 A1	29-11-2001
			CN 1427790 T	02-07-2003
			EP 1280715 A2	05-02-2003
			WO 0189958 A2	29-11-2001
			JP 2003534125 T	18-11-2003
			ZA 200208696 A	11-08-2003